EXHIBIT BX

Sonos's Claim Chart
U.S. Patent No. 10,158,619

Claim: 1	Google Chromecast-Enabled Audio Players
Tangible, non-transitory computer-readable medium storing instructions that, when executed by a processor, cause a playback device to perform functions comprising:	Google's line of Chromecast-enabled audio players includes, inter alia, the Google Home Mini, the Google Home, the Google Home Max, the Google Home Hub, and the Chromecast dongles, and these Chromecast-enabled audio players are controlled by smartphones, tablets, and computers installed with the Google Home app, the Google Play Music app, and/or other Chromecast-enabled apps (where a computing device installed with at least one of these apps is referred to herein as a "Chromecast-enabled computing device"). Each of the foregoing Chromecast-enabled audio players comprises a "playback device" that includes a "tangible, non-transitory computer-readable medium" as recited in claim 1, and Google's Cloud Platform comprises a "computing system" as recited in claim 1. *See, e.g.,* https://developers.google.com/cast/docs/android_sender/queueing; https://developers.google.com/cast/docs/ios_sender/queueing; https://developers.google.com/cast/docs/caf_receiver/queuing; https://developers.google.com/cast/docs/reference/caf_receiver/cast.framework.QueueBase.
transmitting, to a computing system over a network interface, a request to initiate playback of a cloud queue at a given media item, wherein an access status of the cloud queue is currently a first access status that authorizes a first set of queue operations, the first set of queue operations comprising playback of the cloud queue;	Each of the foregoing Chromecast-enabled audio players includes a tangible, non-transitory computer-readable medium storing instructions that, when executed by the player's one or more processors, cause the Chromecast-enabled audio player to transmit, to a computing system over a network interface, a request to initiate playback of a cloud queue at a given media item, where an access status of the cloud queue is currently a first access status that authorizes a first set of queue operations, the first set of queue operations comprising playback of the cloud queue. For instance, each of the foregoing Chromecast-enabled audio players is programmed with the capability to transmit, to Google's Cloud Platform, a request to initiate playback of a cloud queue at a particular media item, where the cloud queue has a first access status authorizing a first set of queue operations that include at least a playback operation for the cloud queue (e.g., an access status that permits playback and forward skip operations for audio tracks in a free radio station on Google Play Music). *See, e.g.,* https://developers.google.com/cast/docs/caf_receiver/; https://developers.google.com/cast/docs/caf_receiver/queuing; https://developers.google.com/cast/docs/reference/caf_receiver/cast.framework.QueueBase; https://developers.google.com/cast/docs/reference/caf_receiver/cast.framework.QueueManager; https://developers.google.com/cast/docs/reference/caf_receiver/cast.framework.messages.QueueItem; https://support.google.com/googleplaymusic/answer/4515411?hl=en; https://support.google.com/googleplaymusic/answer/6230658?visit_id=636856708336112187-4255547078&rd=1.

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receiving, from the computing system, one or more media items in the cloud queue, wherein the one or more media items comprises the given media item;	Each of the foregoing Chromecast-enabled audio players includes a tangible, non-transitory computer-readable medium storing instructions that, when executed by the player's one or more processors, cause the Chromecast-enabled audio player to receive, from the computing system, one or more media items in the cloud queue, where the one or more media items comprises the given media item. For instance, each of the foregoing Chromecast-enabled audio players is programmed such that, after transmitting a request to initiate playback of a cloud queue at a particular media item, the Chromecast-enabled audio player is capable of receiving, from Google's Cloud Platform, a window of media items in the cloud queue that includes the particular media item. *See, e.g.,* https://developers.google.com/cast/docs/caf_receiver/; https://developers.google.com/cast/docs/caf_receiver/queuing; https://developers.google.com/cast/docs/reference/caf_receiver/cast.framework.QueueBase; https://developers.google.com/cast/docs/reference/caf_receiver/cast.framework.QueueManager; https://developers.google.com/cast/docs/reference/caf_receiver/cast.framework.messages.QueueItem.
adding the received one or more media items to a local queue of the playback device;	Each of the foregoing Chromecast-enabled audio players includes a tangible, non-transitory computer-readable medium storing instructions that, when executed by the player's one or more processors, cause the Chromecast-enabled audio player to add the received one or more media items to a local queue of the Chromecast-enabled audio player. For instance, each of the foregoing Chromecast-enabled audio players is programmed such that, after receiving a window of media items in a cloud queue from Google's Cloud Platform, the Chromecast-enabled audio player is capable of adding the received window of media items to a local queue of the Chromecast-enabled audio player. *See, e.g.,* https://developers.google.com/cast/docs/caf_receiver/; https://developers.google.com/cast/docs/caf_receiver/queuing; https://developers.google.com/cast/docs/reference/caf_receiver/cast.framework.QueueBase; https://developers.google.com/cast/docs/reference/caf_receiver/cast.framework.QueueManager; https://developers.google.com/cast/docs/reference/caf_receiver/cast.framework.messages.QueueItem.
receiving an indication that the access status of the cloud queue is currently a second access status that authorizes a second set of queue operations; and	Each of the foregoing Chromecast-enabled audio players includes a tangible, non-transitory computer-readable medium storing instructions that, when executed by the player's one or more processors, cause the Chromecast-enabled audio player to receive an indication that the access status of the cloud queue is currently a second access status that authorizes a second set of queue operations.

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	For instance, each of the foregoing Chromecast-enabled audio players is programmed with the capability to receive an indication that a cloud queue has changed to a different access status authorizing a different set of queue operations (e.g., an access status that does not permit forward skip operations for audio tracks in a free radio station on Google Play Music). *See, e.g.,* https://developers.google.com/cast/docs/caf_receiver/; https://developers.google.com/cast/docs/caf_receiver/queuing; https://developers.google.com/cast/docs/reference/caf_receiver/cast.framework.QueueBase; https://developers.google.com/cast/docs/reference/caf_receiver/cast.framework.QueueManager; https://developers.google.com/cast/docs/reference/caf_receiver/cast.framework.messages.QueueItem; https://support.google.com/googleplaymusic/answer/4515411?hl=en; https://support.google.com/googleplaymusic/answer/6230658?visit_id=636856708336112187-4255547078&rd=1.
based on the indication, modifying the local queue to be restricted to the second set of queue operations.	Each of the foregoing Chromecast-enabled audio players includes a tangible, non-transitory computer-readable medium storing instructions that, when executed by the player's one or more processors, cause the Chromecast-enabled audio player to, based on the indication, modify the local queue to be restricted to the second set of queue operations.

For instance, each of the foregoing Chromecast-enabled audio players is programmed such that, after receiving an indication that a cloud queue has changed to a different access status authorizing a different set of queue operations, the Chromecast-enabled audio player is capable of modifying its local queue to be restricted to the different set of queue operations (e.g., by preventing forward skips during playback of a free radio station on Google Play Music). *See, e.g.,* https://developers.google.com/cast/docs/caf_receiver/; https://developers.google.com/cast/docs/caf_receiver/queuing; https://developers.google.com/cast/docs/reference/caf_receiver/cast.framework.QueueBase; https://developers.google.com/cast/docs/reference/caf_receiver/cast.framework.QueueManager; https://developers.google.com/cast/docs/reference/caf_receiver/cast.framework.messages.QueueItem; https://support.google.com/googleplaymusic/answer/4515411?hl=en; https://support.google.com/googleplaymusic/answer/6230658?visit_id=636856708336112187-4255547078&rd=1. |

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